

ABSTRACT

A hydraulically actuated, intensified fuel injector includes a controller achieving a desired injection control strategy by selectively independently porting actuating fluid to and venting actuating fluid from an intensifier piston to control the compressive stroke of the intensifier piston and selectively independently porting actuating fluid to and venting actuating fluid from a needle valve to control the opening and closing of the needle valve during the injection event. A method of control is further included.

205020-0642001